Fig. 1

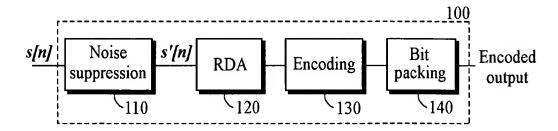


Fig. 2A

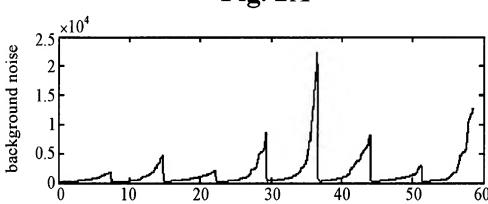
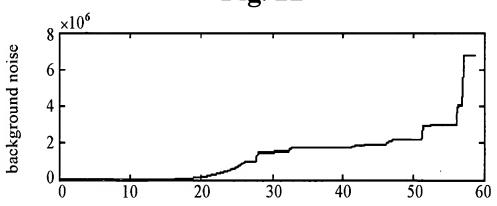
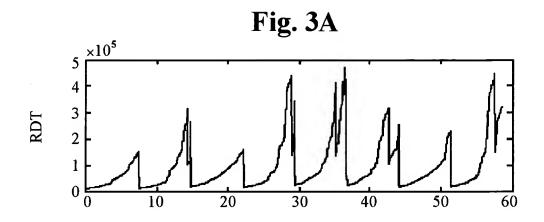
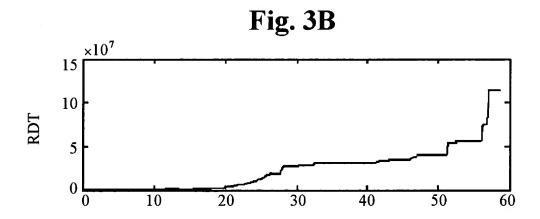
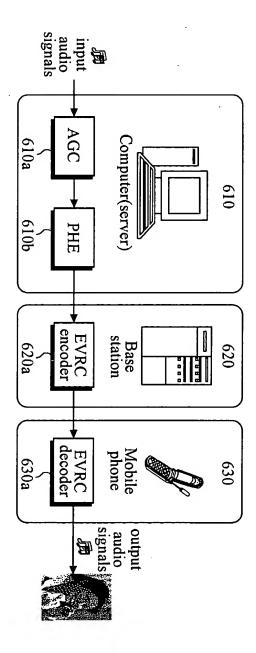


Fig. 2B

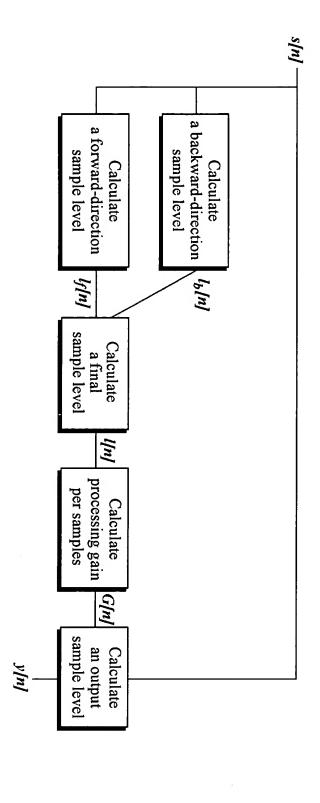








ig. 4



ig. 5

Fig. 6

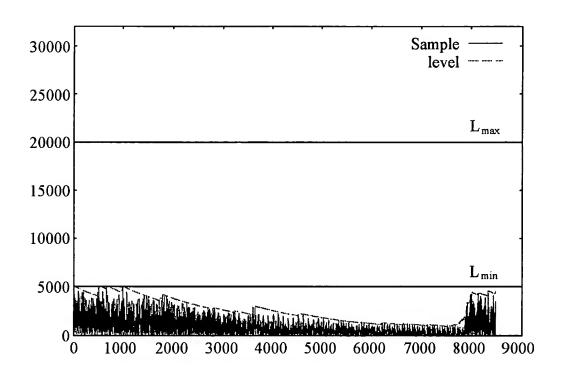


Fig. 7A

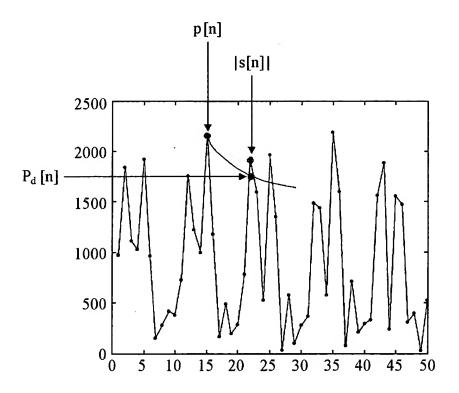


Fig. 7B

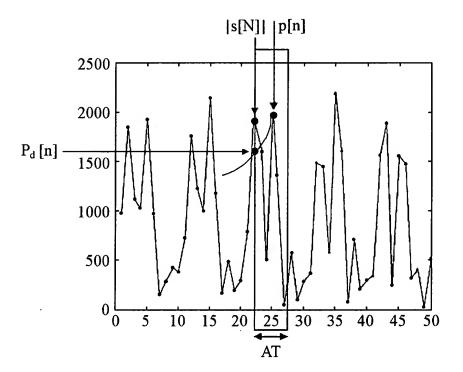


Fig. 8

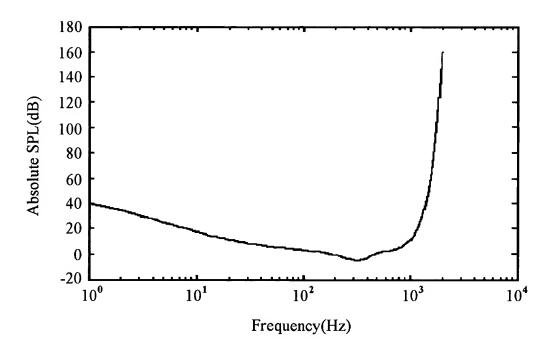
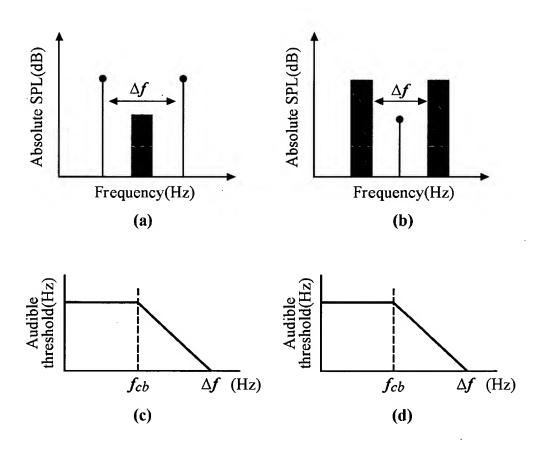


Fig. 9



Normalization/ zero padding *s[n]* (160 samples) (256 samples) x[n]Calculation of PSD estimate FFT X[k] 1020 X/Kp[k]1030 Masking threshold calculation normalization  $\tilde{X}$ [k] IFFT and inverse-T[K]Filtering (160 samples) EVRC noise suppression/
pitch calculation 1040 1050  $\tilde{X}[K]$ RPE  $D_{\max}$ 1070  $\sim 1060$ normalization (160 samples) IFFT and inverse-1080

ig. 10

**Fig. 11** 

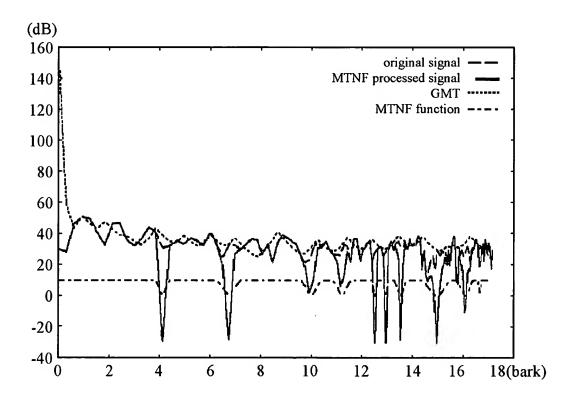


Fig. 12A

2.5
2
1.5
0
0
50
100
150
200
250
300
350
400

